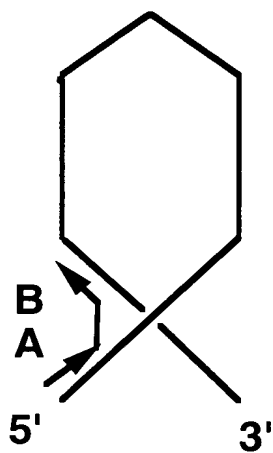
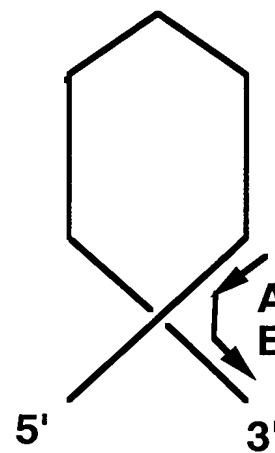


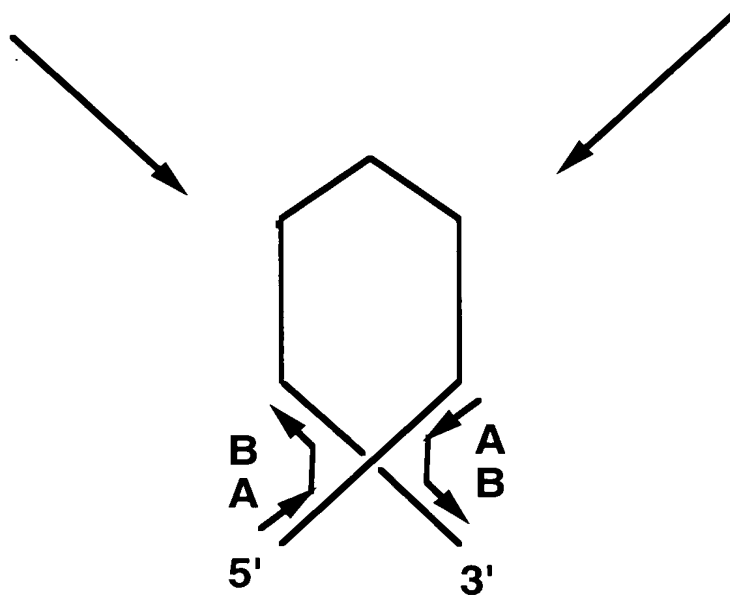
**Figure 1**



**(a) Left Connectron**  
AB is bi-polar

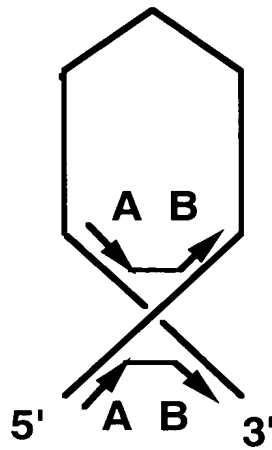


**(b) Right Connectron**  
AB is bi-polar

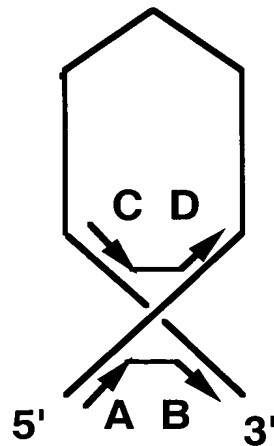


**(c) Left-Right Connectron Pair**

**Figure 2**

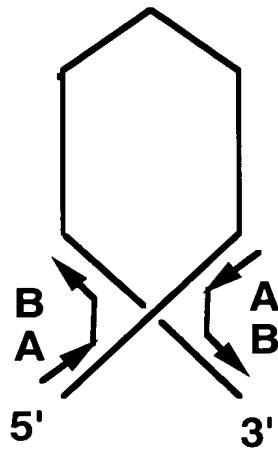


**(a) Symmetric Lower-Upper Connectron Pair**

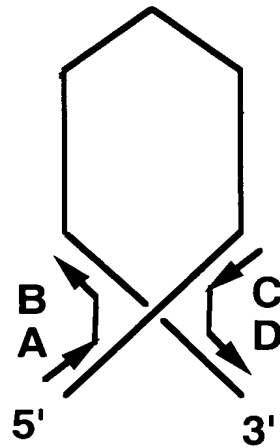


**(b) Asymmetric Lower-Upper Connectron Pair**

**Figure 3**

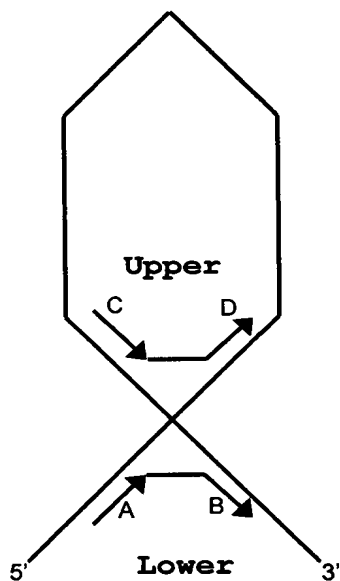


**(a) Symmetric Left-Right Connectron Pair**



**(b) Asymmetric Left-Right Connectron Pair**

**Figure 4**



(a) Concise representation of an Asymmetric Lower-Upper Connectron Pair

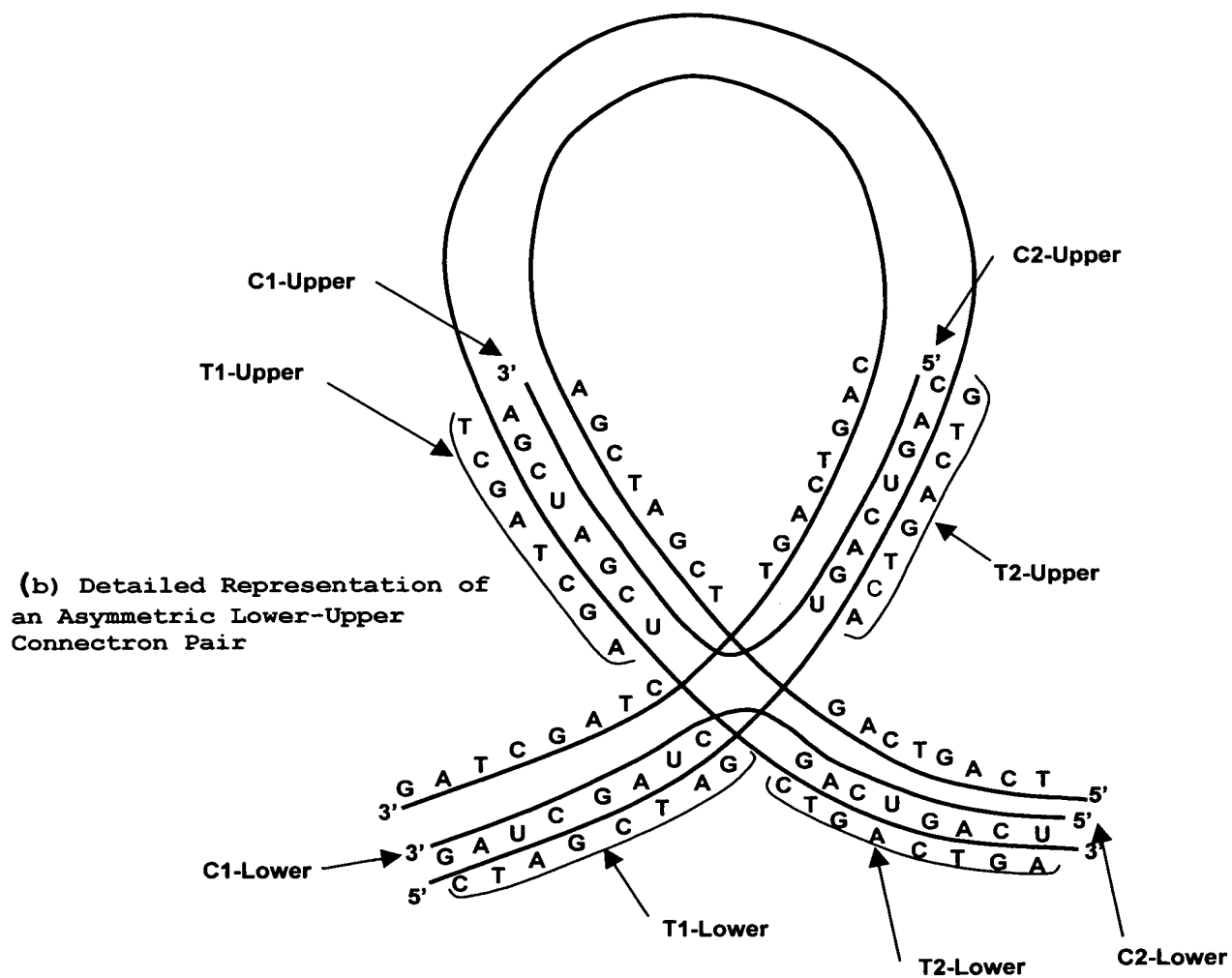
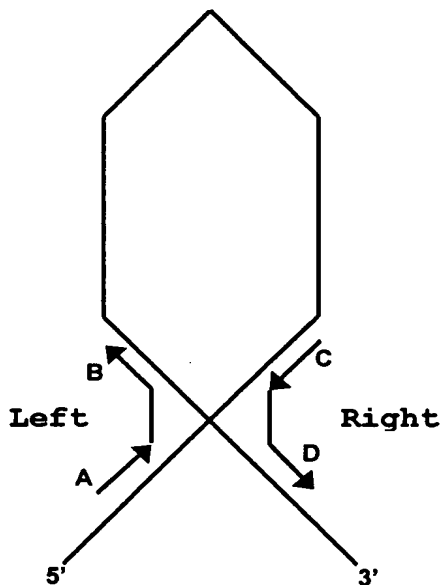
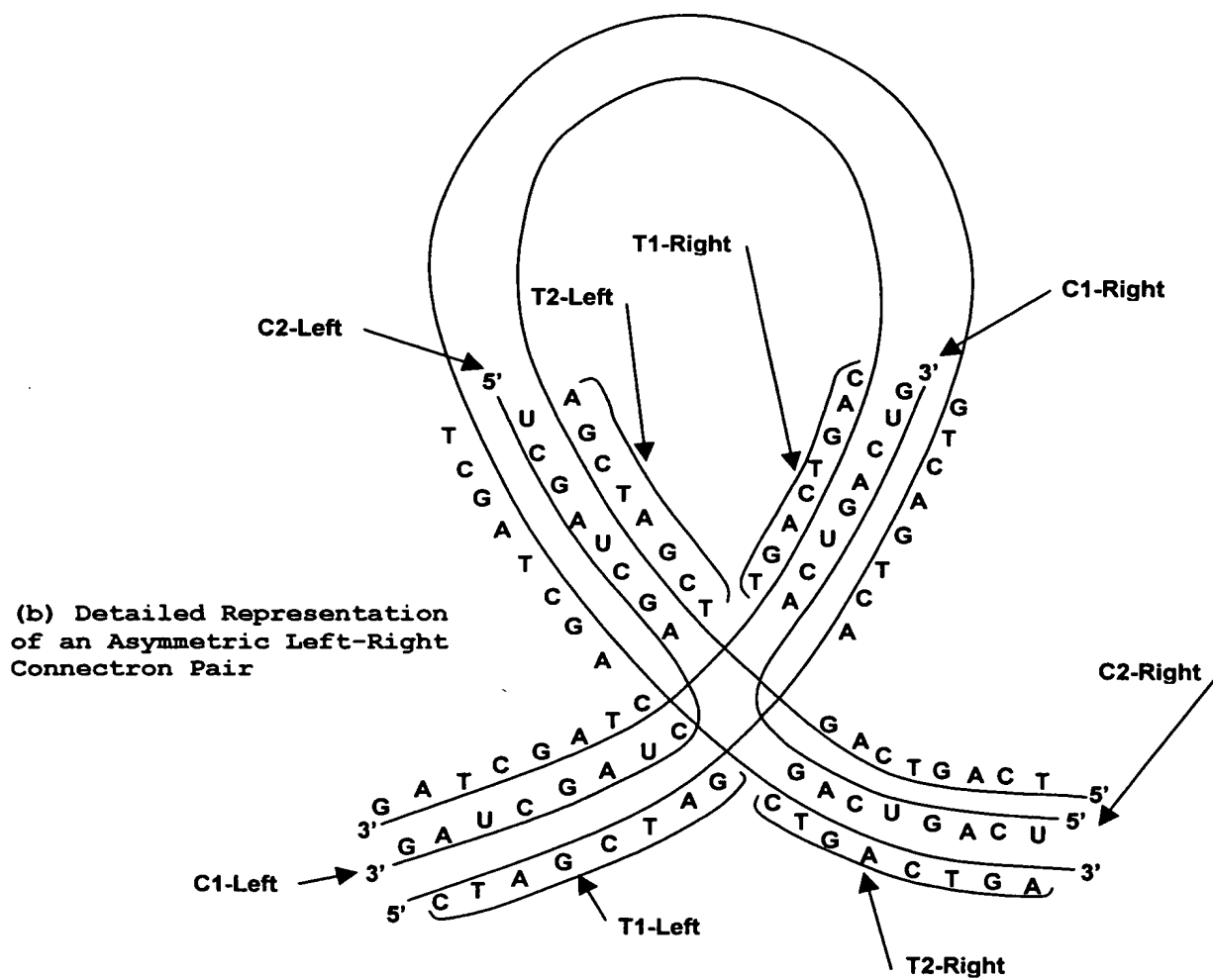


Figure 5

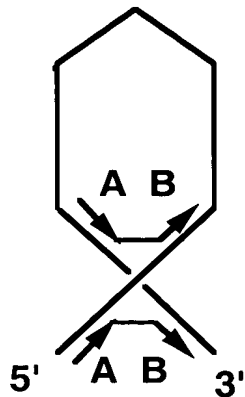


(a) Concise Representation  
of an Asymmetric Left-Right  
Connectron Pair.

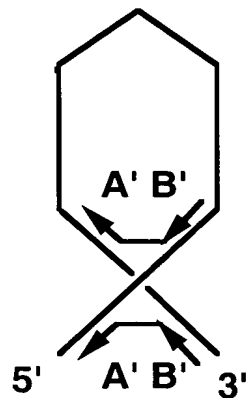


(b) Detailed Representation  
of an Asymmetric Left-Right  
Connectron Pair

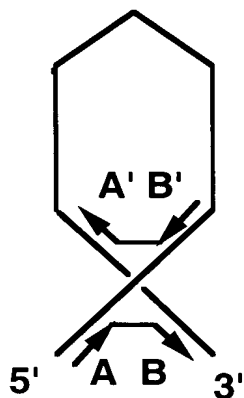
Figure 6



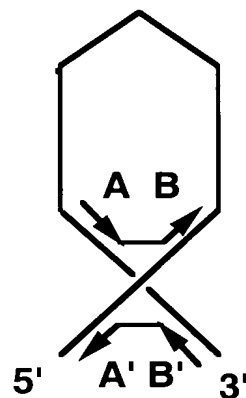
**(a) Dominant - Dominant  
Symmetric Lower-Upper  
Connectron Pair**



**(b) Anti-Dominant - Anti-Dominant  
Symmetric Lower-Upper  
Connectron Pair**

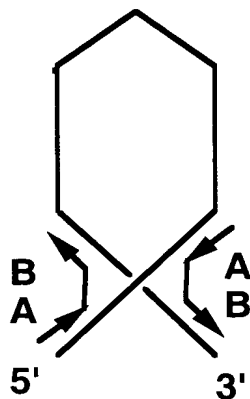


**(c) Dominant - Anti-Dominant  
Symmetric Lower-Upper  
Connectron Pair**

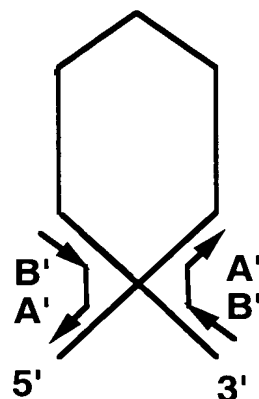


**(d) Anti-Dominant - Dominant  
Symmetric Lower-Upper  
Connectron Pair**

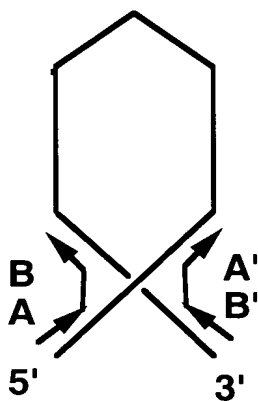
**Figure 7**



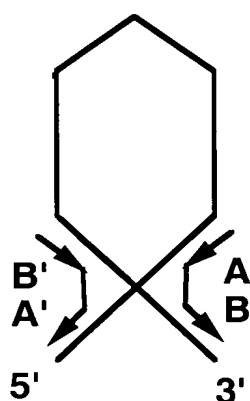
**(a) Dominant - Dominant  
Symmetric Left-Right  
Connectron Pair**



**(b) Anti-Dominant - Anti-Dominant  
Symmetric Left-Right  
Connectron Pair**



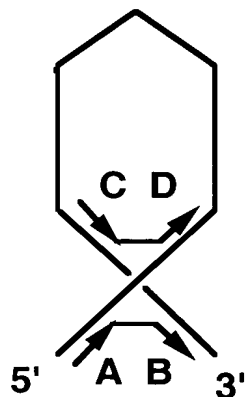
**(c) Dominant - Anti-Dominant  
Symmetric Left-Right  
Connectron Pair**



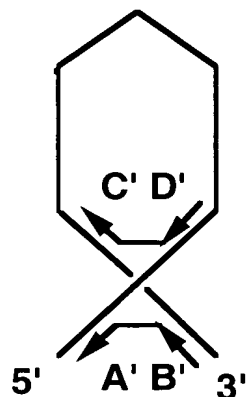
**(d) Anti-Dominant - Dominant  
Symmetric Left-Right  
Connectron Pair**

**Figure 8**

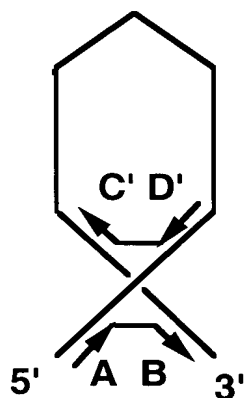




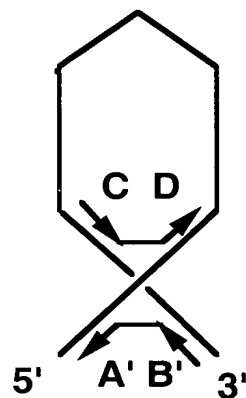
**(a) Dominant - Dominant  
Asymmetric Lower-Upper  
Connectron Pair**



**(b) Anti-Dominant - Anti-Dominant  
Asymmetric Lower-Upper  
Connectron Pair**

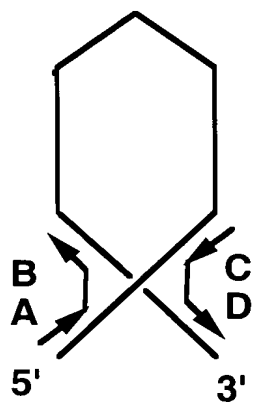


**(c) Dominant - Anti-Dominant  
Asymmetric Lower-Upper  
Connectron Pair**

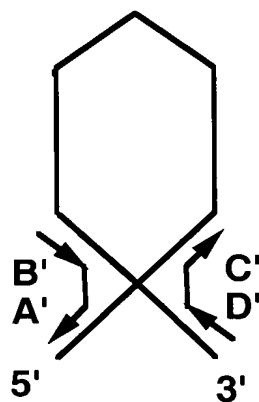


**(d) Anti-Dominant - Dominant  
Asymmetric Lower-Upper  
Connectron Pair**

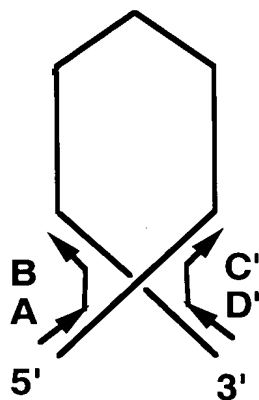
**Figure 9**



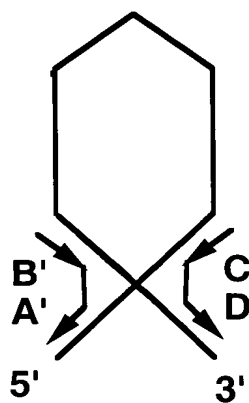
**(a) Dominant Dominant  
Asymmetric Left-Right  
Connectron Pair**



**(b) Anti-Dominant Anti-Dominant  
Asymmetric Left-Right  
Connectron Pair**

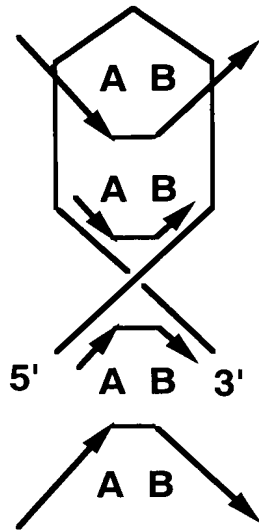


**(c) Dominant Anti-Dominant  
Asymmetric Left-Right  
Connectron Pair**

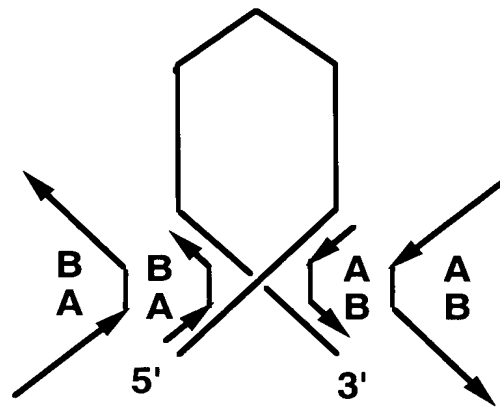


**(d) Anti-Dominant Dominant  
Asymmetric Left-Right  
Connectron Pair**

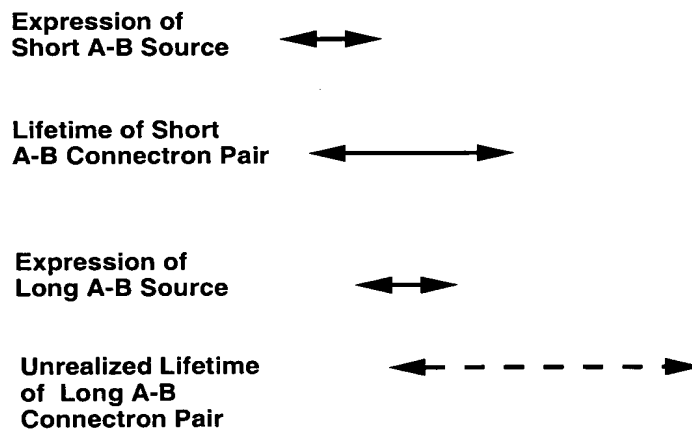
**Figure 10**



**(a) Competitive Blocking of Symmetric Lower-Upper Long-Lived Connectrons**

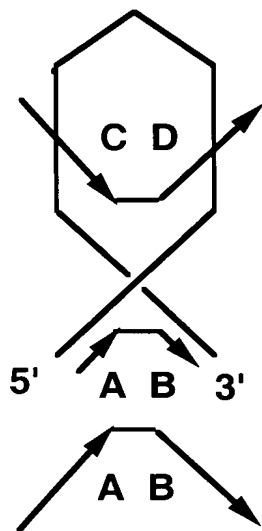


**(b) Competitive Blocking of Symmetric Left-Right Long-Lived Connectrons**

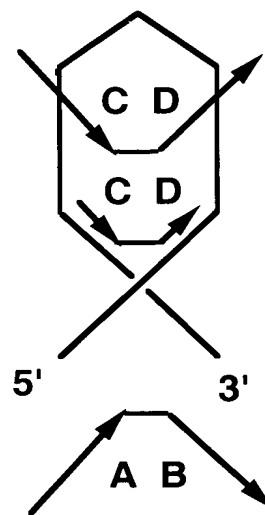


**(c) Timing Windows for Competitive Blocking of Symmetric Long-Lived Connectrons**

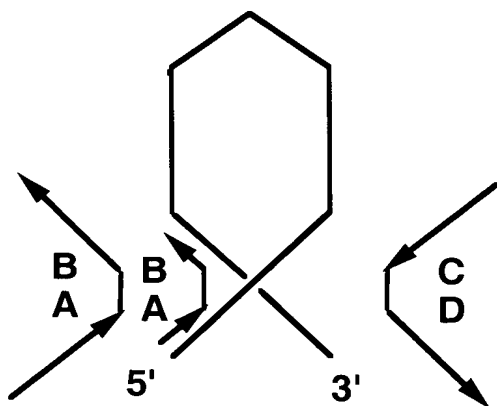
**Figure 11**



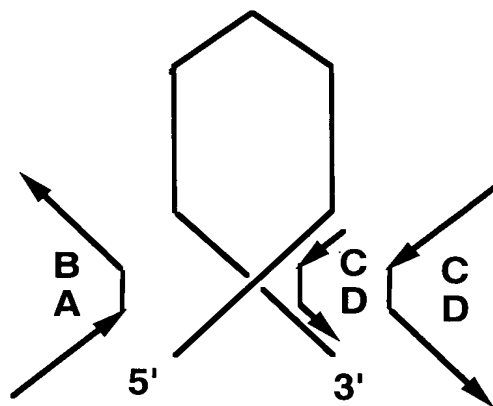
**(a) Competitive Blocking of Asymmetric Lower-Upper Long-Lived Connectrons**



**(b) Competitive Blocking of Asymmetric Lower-Upper Long-Lived Connectrons**

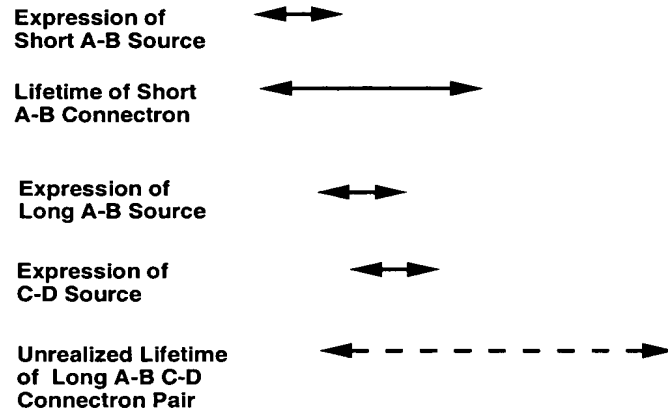


**(c) Competitive Blocking of Asymmetric Left-Right Long-Lived Connectrons**

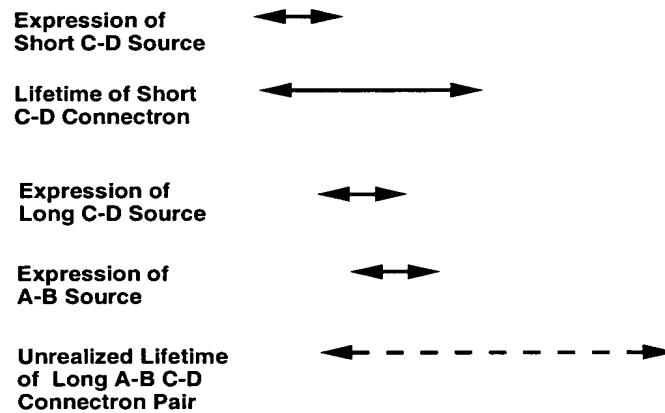


**(d) Competitive Blocking of Asymmetric Left-Right Long-Lived Connectrons**

**Figure 12**

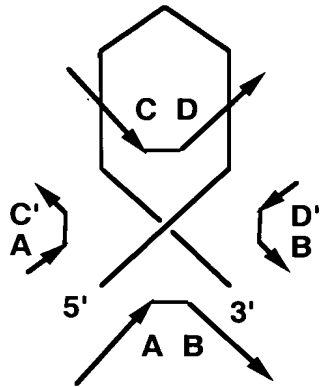


**(a) Timing Windows for Competitive Blocking of Asymmetric Long-Lived Connectrons**

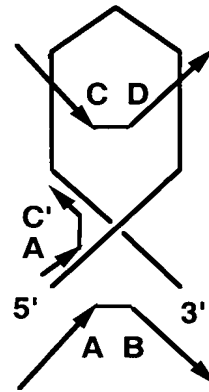


**(b) Timing Windows for Competitive Blocking of Asymmetric Long-Lived Connectrons**

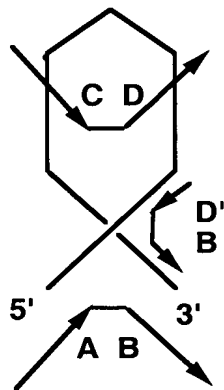
**Figure 13**



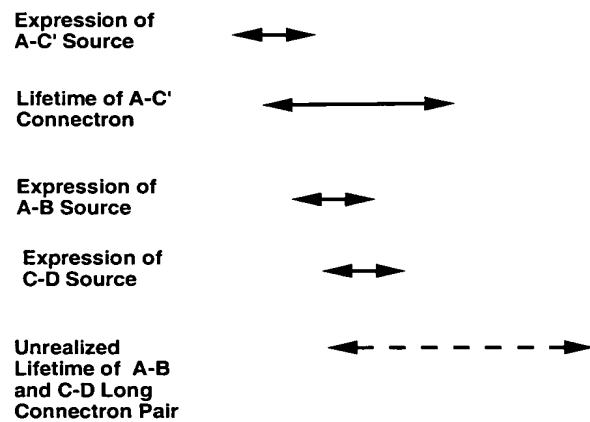
(a) Fully Symmetric Connectron Tetrad



(b) Non-Competitive Blocking Effect by Short-Lived Left Connectron of a Long-Lived Cooperative Connectron Pair



(c) Non-Competitive Blocking Effect by Short-Lived Right Connectron of a Long-Lived Cooperative Connectron Pair



(d) Timing Windows for Non-Competitive Blocking of Asymmetric Long-Lived Connectrons

Figure 14